

## WORKING FLUID MIXTURE

**Patent number:** JP8100170  
**Publication date:** 1996-04-16  
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**Classification:**  
- international: **C09K5/04; C09K5/00; (IPC1-7): C09K5/04**  
- european:  
**Application number:** JP19940237823 19940930  
**Priority number(s):** JP19940237823 19940930

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### Abstract of JP8100170

**PURPOSE:** To prepare a working fluid mixture containing plural specific fluoroalkanes as essential components, free from the problem of ozonosphere disruption, having excellent refrigerant performance, usable without using a large-sized apparatus and useful for air conditioner, refrigerator, heat pump, etc. **CONSTITUTION:** This working fluid mixture contains (A) difluoromethane, (B) trifluoromethane; (C) tetrafluoromethane and (D) pentafluoromethane as essential components. The ratios of the components are preferably 3-40wt.% for the component A, 5-60wt.% for the component B, 5-60wt.% for the component C and 10-87-wt.% for the component D. In the case of using the mixture under a thermally severe condition, it is preferable to compound 100 pts.wt. of the mixture with 0.001-10 pts.wt., especially 0.01-5 pts.wt. of a stabilizer such as propylene oxide or diphenyl phosphite to further improve the thermal stability of the composition.

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